



Intel® 915GV Express Chipset Development Kit

Product Overview

The Intel® 915GV Express Chipset Development Kit features next-generation technologies such as DDR2 memory, PCI Express*, Intel® Graphics Media Accelerator 900 (Intel® GMA 900) and Intel® High Definition Audio. It provides an excellent solution for security and embedded clients in the industrial and communications market segments.

The Intel® Pentium® 4 processor with Hyper-Threading (HT) Technology† utilizes a new microarchitecture to meet the current and future demands of high-performance, embedded computing, while remaining software-compatible with previous members of the Intel® micro-processor family.

With the Intel 915GV chipset, this development kit provides ideal performance for communications, industrial automation, Point of Service (POS) and kiosk applications. Due to higher Front Side Bus (FSB) and memory frequencies than previously available, this platform supports much improved I/O bandwidth, provided by PCI Express.

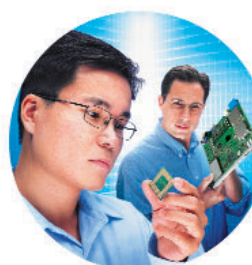
Product Highlights

- Evaluation board supports:
 - Intel Pentium 4 processors with HT Technology in LGA-775 socket
 - Intel® Celeron® D processor in LGA-775 socket
 - Intel® 915GV Graphics Memory Controller Hub (GMCH) supporting a 533/800 MHz FSB
 - Dual-channel memory interface supports up to 4 GB of DDR2-400/533
 - Intel GMA 900 provides VGA out and SDVO
 - Direct Media Interface provides high-speed chip-to-chip interconnect



- Super I/O provides legacy floppy, serial and parallel ports, PS/2 mouse and keyboard support
- User-accessible on-board connectors:
 - PS/2 mouse and keyboard
 - Parallel port
 - Serial port header
 - Six USB 2.0 ports, plus two via front-panel header
 - One IDE connector
 - Four SATA connectors
 - One floppy connector
 - Four 32-bit PCI slots
 - Two PCI Express x1 slots
 - One ADD2 slot
 - Four DDR2 DIMM slots
 - Ethernet connector
 - VGA connector
 - Six audio connectors
 - Two SPDIF connectors

Intel in
Communications



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and further.

- Included in the kit:
 - Development board
 - Intel Pentium 4 processor 550^A with HT Technology, (LGA-775) 3.4 GHz with 800 MHz FSB
 - CPU thermal solution
 - Thermal Solution Installation CD
 - One 256 MB, DDR2-400 DIMM
 - ADD2 card
 - User's manual
 - CD including Intel-developed drivers that enable Windows XP*, Windows XP* Embedded, Windows 2000*, and Red Hat Enterprise Linux* v3 WS

Product Benefits

The Intel 915GV Express Chipset Development Kit is an evaluation kit, complete with hardware and supporting documentation, designed to evaluate the performance of embedded computing applications. This and other development kits from Intel provide a fully working product with a range of performance options that can be modified or used immediately for product development.

These kits provide a platform with a validated processor/chipset combination, allowing software vendors to test BIOS and operating system software. With this kit, developers can design on a single board to provide a range of performance options. This development kit can help reduce design and validation efforts, lower total cost-of-ownership by reducing inventory and manufacturing costs, and facilitate faster time-to-market.

Software Overview

In order to provide customers with a complete development environment in the development kit, Intel works to enable the platform to integrate with customer applications and operating systems. Any software/firmware provided in the kit is subject to change without notice. For the most recent updates, please refer to the Intel 915GV Express chipset development kit Web site at developer.intel.com/design/intarch/devkits/index.htm.

Development Kit Ordering Information

EID915GVDEVKIT

^A Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/products/processor_number for details.

[†] Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting Hyper-Threading Technology and an HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/info/hyperthreading> for more information including details on which processors support HT Technology.

Intel Access

Developer's Site:	developer.intel.com
Embedded Intel® Architecture Home Page:	developer.intel.com/design/intarch
Intel® Technical Documentation Center:	www.intel.com/go/techdoc (800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada) International locations please contact your local sales office.
General Information Hotline:	(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST

For more information, visit the Intel Web site at: developer.intel.com

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